

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name: that I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought in the application entitled:

## METHOD FOR DETERMINING HIV-1 SUBTYPE

which application is:

- the attached application  
 (for original application)
- PCT International Application No. PCT/JP00/03896  
 filed on June 15, 2000
- Application No. \_\_\_\_\_  
 filed \_\_\_\_\_, and amended on \_\_\_\_\_  
 (for declaration not accompanying application)

that I have reviewed and understand the contents of the specification of the above-identified application, including the claims, as amended by any amendment referred to above; that I acknowledge my duty to disclose information of which I am aware which is material to the patentability of this application under 37 C.F.R. 1.56, that I hereby claim priority benefits under Title 35, United States Code §119, §172 or §365 of any provisional application or foreign application(s) for patent or inventor's certificate listed below and have also identified on said list any foreign application for patent or inventor's certificate on this invention having a filing date before that of any foreign application on which priority is claimed:

| Application Number | Country | Filing Date | Priority Claimed<br>Yes             | No                       |
|--------------------|---------|-------------|-------------------------------------|--------------------------|
| 1999-167736        | Japan   | 15/06/1999  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2000-23581         | Japan   | 01/02/2000  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

I hereby claim the benefit of Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge my duty to disclose any information material to the patentability of this application under 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| Application No. | Filing Date | Status |
|-----------------|-------------|--------|
|-----------------|-------------|--------|

I hereby appoint John H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,276; Bruce E. Kramer, Reg. No. 33,725; Paul F. Neils, Reg. No. 33,102; Brett S. Sylvester, Reg. No. 32,765; Robert M. Masters, Reg. No. 35,603; George F. Lehnigk, Reg. No. 36,359; John T. Callahan, Reg. No. 32,607; Steven M. Gruskin, Reg. No. 36,818; Peter A. McKenna, Reg. No. 38,551 and Edward F. Kenehan, Reg. No. 28,962, my attorney, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

|                      |  |                |             |                |           |
|----------------------|--|----------------|-------------|----------------|-----------|
| Date                 | November 29, 2001                                    | First Inventor | Shingo KATO |                |           |
| Residence            | Nerima-ku, Tokyo 177-0031, Japan                     | Signature      | First Name  | Middle Initial | Last Name |
| City                 | State/Country  | Shingo Kato    |             |                |           |
| Post Office Address: | 1-33-13, Miharadai, Nerima-ku, Tokyo 177-0031, Japan |                |             |                |           |
| Citizenship          | Japan  |                |             |                |           |

Date November 29, 2001 Second Inventor Yoshio KOBAYASHI  
First Name Middle Initial Last Name  
Residence Setagaya-ku, Tokyo 157-0066, Japan Signature *Yoshio Kobayashi*

City State/Country

Post Office Address: Rozenhaimu 102, 4-3-21, Seijo, Setagaya-ku, Tokyo 157-0066, Japan *JPX*

Citizenship Japan

Date November 29, 2001 Third Inventor Yoshiyuki HIRAIKI  
First Name Middle Initial Last Name

Residence Higashikurume-shi, Tokyo 203-0054, Japan Signature *Yoshiyuki Hiraike*

City State/Country

Post Office Address: 1-15-22, Chuo-cho, Higashikurume-shi, Tokyo 203-0054, Japan

Citizenship Japan

Date November 29, 2001 Fourth Inventor Kayoko SHIMIZU  
First Name Middle Initial Last Name

Residence Yokohama-shi, Kanagawa 224-0037, Japan Signature *Kayoko Shimizu*

City State/Country

Post Office Address: 4-15-1-807, Chigasaki minami, Tsuzuki-ku, Yokohama-shi, Kanagawa 224-0037,  
Japan

Citizenship Japan

Date November 29, 2001 Fifth Inventor Tetsuyoshi SUGITA  
First Name Middle Initial Last Name

Residence Nakano-ku, Tokyo 164-0012, Japan Signature *Tetsuyoshi Sugita*

City State/Country

Post Office Address: 2-28-7-303, Hon-cho, Nakano-ku, Tokyo 164-0012, Japan

Citizenship Japan

Date Sixth Inventor First Name Middle Initial Last Name

Residence City State/Country Signature

Post Office Address:

Citizenship